

FOXBOROUGH WATER AND SEWER DEPARTMENT

PUMP STATION NO. 2 WATER MAIN REPLACEMENT

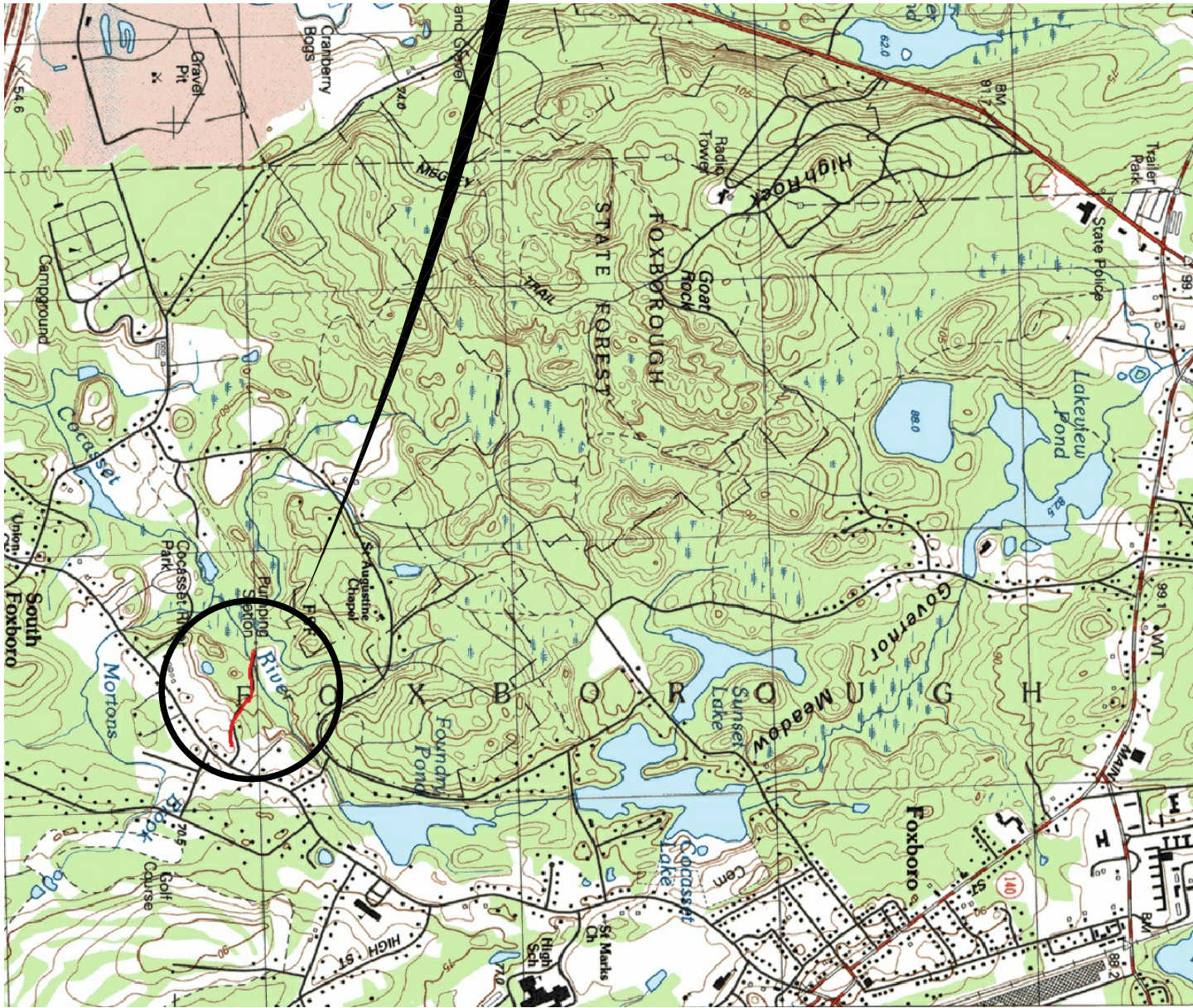
DECEMBER 2015

Project Number: 195112673

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C-102	PROFILE
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C-502	EROSION CONTROL DETAILS

SPRAGUE STREET



VICINITY MAP
SCALE: 1" = 2000

TOWN ADMINISTRATOR WILLIAM KEEGAN JR. BOARD OF WATER COMMISSIONERS

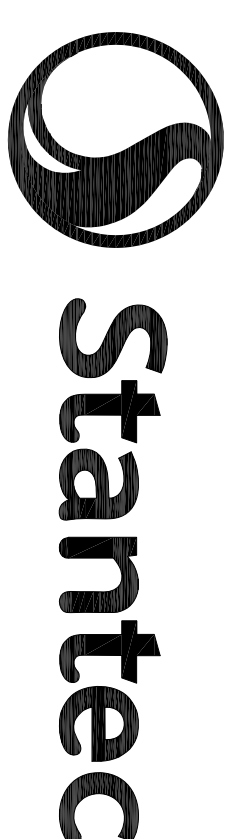
MICHAEL P. STANTON
RICHARD M. PACELLA JR.
ROBERT T. GARBER

WATER SUPERINTENDENT ROBERT B. WORTHLEY BOARD OF SELECTMEN

JOHN R. GREY
VIRGINA M. COPPULA
JAMES J. DEVELLIS
DAVID S. FELDMAN
CHRISTOPHER P. MITCHELL



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Legend

Notes



DIG SAFE NOTE:

UTILITIES ARE PLOTTED FROM FIELD LOCATION, AND ANY RECORD INFORMATION AVAILABLE, AND SHOULD BE CONSIDERED APPROXIMATE. OTHER UTILITIES MAY EXIST WHICH ARE NOT EVIDENT OR FOR WHICH RECORD INFORMATION WAS NOT AVAILABLE. CONTRACTORS MUST CONTACT ALL UTILITY COMPANIES BEFORE EXCAVATING AND DRILLING. ALSO, CALL "DIG SAFE" AT (1888)334-7233 [(1888)DIG-SAFE] IN MA, ME, NH, RI, AND VT.
WEBSITE: WWW.DIGSAFE.COM

[illegible]

Client/Project
FOXBOROUGH WATER DISTRICT

SPRAGUE ROAD
WATER MAIN UPGRADE
Foxborough, Massachusetts

Title		
LEGEND AND SITE PLAN		
Project No.	Scale	
195112673	AS NOTED	
Drawing No.	Sheet	Revision


































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CIVIL LEGENDS

PROPOSED LEGEND

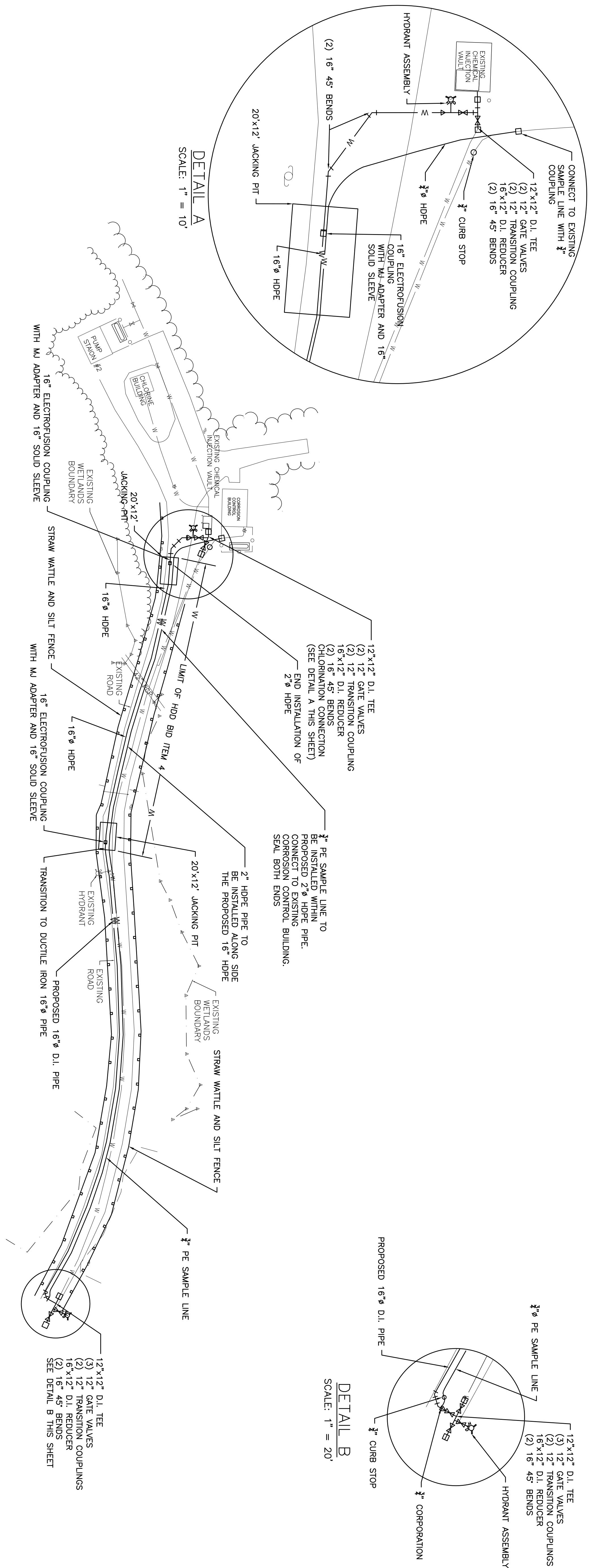
□	PROPOSED BOUND
■	PROPOSED BENCHMARK
◻	PROPOSED CATCH BASIN (SQUARE)
◉	PROPOSED CATCH BASIN (ROUND)
◉	PROPOSED COMMUNICATION MANHOLE
◉	PROPOSED CURB INLET
◉	PROPOSED DRAIN MANHOLE (DMH)
◉	PROPOSED DRILL HOLE
◉	PROPOSED ELECTRICAL MANHOLE
◉	PROPOSED GUY POLE
◉	PROPOSED SURVEY POINT
◉	PROPOSED IRON PIN
◉	PROPOSED NATURAL GAS MANHOLE
◉	PROPOSED HYDRANT
◉	PROPOSED SANITARY SEWER MANHOLE (SMH)
◉	PROPOSED SINGLE POLE SIGN
◉	PROPOSED DOUBLE POLE SIGN
◉	PROPOSED TELEPHONE MANHOLE
TP1	PROPOSED TEST PIT
B1	PROPOSED BORING
◉	PROPOSED UTILITY POLE
◉	PROPOSED WATER SHUTOFF
◉	PROPOSED GATE VALVE
◉	PROPOSED WELL
◉	PROPOSED FLOOD LIGHT
◉	PROPOSED LIGHT POST
◉	PROPOSED DRAINAGE FLOW
◉	PROPOSED CONIFEROUS TREE
◉	PROPOSED DECIDUOUS TREE

100	PROPOSED MAJOR CONTOUR
98	PROPOSED MINOR CONTOUR
X 95.5	PROPOSED SPOT ELEVATION
	PROPOSED RAILROAD TRACKS
	PROPOSED DITCH/SWALE
	PROPOSED EDGE OF RIVER
	PROPOSED EDGE OF POND
	PROPOSED EDGE OF WETLAND
	PROPOSED DENUDATION WORK
	PROPOSED EASEMENT
	PROPOSED LIMITS OF CONSTRUCTION
	PROPOSED RIGHT OF WAY
	PROPOSED PROPERTY LINE
	PROPOSED FUEL GAS
	PROPOSED NATURAL GAS
	PROPOSED OVERHEAD POWER
	PROPOSED UNDERGROUND POWER
	PROPOSED CABLE TV
	PROPOSED OVERHEAD TELEPHONE
	PROPOSED UNDERGROUND TELEPHONE
	PROPOSED SANITARY SEWER
	PROPOSED SANITARY SEWER (FORCE MAIN)
	PROPOSED WATER MAIN
	PROPOSED PRESSURE STEAM
	PROPOSED STORM DRAIN
	PROPOSED FOOTING UNDERDRAIN
	PROPOSED ROOF DRAIN
	PROPOSED FIRE PROTECTION
	PROPOSED GUARD RAIL
	PROPOSED FENCE (BARBED WIRE)
	PROPOSED FENCE (CHAIN LINK)
	PROPOSED FENCE (WOODEN)
	PROPOSED RETAINING WALL
	PROPOSED STONE WALL
	PROPOSED TREE FENCE AND STRAW WATTLES
	PROPOSED UTILITY LINE

EXISTING LEGEND

	EXISTING POUND
	EXISTING BENCHMARK
	EXISTING SURVEY POINT
	EXISTING CATCH BASIN (SQUARE)
	EXISTING CATCH BASIN (ROUND)
	EXISTING COMMUNICATION MANHOLE
	EXISTING CURB INLET
	EXISTING DEBRIS MANHOLE (DMH)
	EXISTING ELECTRICAL MANHOLE
	EXISTING GUY POLE
	EXISTING HYDRANT
	EXISTING IRON PIN
	EXISTING SEWER GAS MANHOLE
	EXISTING SEWER MANHOLE (SMH)
	EXISTING SINGLE POLE SIGN
	EXISTING DOUBLE POLE SIGN
	EXISTING FLOOD LIGHT
	EXISTING LIGHT POST
	EXISTING DAMAGE TLOW
	EXISTING TEST PIT
	EXISTING BORING
	EXISTING STUMP
	EXISTING CONTINUOUS TREE
	EXISTING DECIDUOUS TREE
	EXISTING WETLAND
	EXISTING TELEPHONE MANHOLE
	EXISTING UTILITY POLE
	EXISTING WATER SHUTOFF
	EXISTING GATE VALVE
	EXISTING WELL

100	EXISTING MAJOR CONTOUR
98	EXISTING MINOR CONTOUR
	EXISTING DITCH/SWALE
	EXISTING RAILROAD TRACKS
	EXISTING EDGE OF WATER
	EXISTING WETLAND BOUNDARY
	EXISTING EASEMENT
	EXISTING PROPERTY LINE
	EXISTING RIGHT-OF-WAY
X 94.5	EXISTING SPOT ELEVATION
0	EXISTING FUEL GAS
	EXISTING NATURAL GAS
	EXISTING OVERHEAD POWER
5	EXISTING UNDERGROUND POWER
FM	EXISTING SANITARY SEWER
50	EXISTING SANITARY SEWER (FORCE MAIN)
PS	EXISTING STORM DRAIN
W	EXISTING PRESSURE STEAM
	EXISTING WATER MAIN
	EXISTING CABLE TV
1	EXISTING OVERHEAD TELEPHONE
	EXISTING UNDERGROUND TELEPHONE
0	EXISTING GUARD RAIL
X-X	EXISTING FENCE
0-0	EXISTING CHAINLINK FENCE
0-0	EXISTING WOODEN FENCE
0	EXISTING RETAINING WALL
0	EXISTING HARBARS
	EXISTING STONE WALL
	EXISTING TREE/SHRUB LINE



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Notes



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Client/Project

FOXBOROUGH PUBLIC WORKS DEPARTMENT

PUMP STATION No. 2

WATER MAIN REPLACEMENT

Foxborough, Massachusetts

title

PROFILE

Project No. 195112673	Scale AS NOTED	Revision
Drawing No. C-102	Sheet 2 of 4	0



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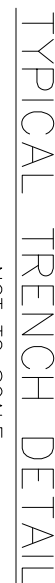
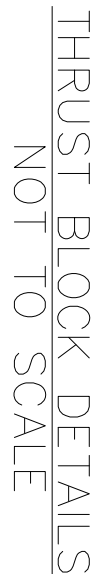
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**PUMP STATION No. 2
WATER MAIN REPLACEMENT**
Foxborough, Massachusetts

Project No.	scale
195112673	AS NOTED

C

ORIGINAL SHEET - ARCH D



NOTES:
1. POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL WHERE TRENCH WALL HAS BEEN DISTURBED. EXCAVATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL. JOINTS SHALL BE COVERED WITH CONCRETE.

2. ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING.
 3. PLACE CONCRETE PAID BLOCKS IN FRONT OF ALL PLUGS BEFORE POURING THRUST BLOCK.
 4. REQUIREMENTS OF THE ABOVE TABLE PRESUME MINIMUM SOIL BEARING OF 1 TON PER SQUARE FOOT, AND MAY BE VARIED BY THE ENGINEER TO MEET OTHER CONDITIONS ENCOUNTERED
 5. MEGALUX RETAINER GLANDS ARE REQUIRED FOR ALL MECHANICAL JOINTS. THESE GLANDS DO NOT REPLACE THE REQUIREMENTS FOR THRUST RESTRAINT.
 6. ALL FITTINGS SHALL BE WRAPPED IN POLYETHYLENE OR BUILDING PAPER PRIOR TO INSTALLATION OF CONCRETE RESTRAINT.
7. THEADED ROD SHALL BE ANSI A242 F750 PIPE RESTRAINT NUTS TO MATCH AWWA C111. THEADED RODS AND NUTS TO BE FIELD COATED WITH BITUMINOUS PAINT.
8. THRUST RESTRAINT IS REQUIRED FOR ALL TEES, BENDS, REDUCERS, CAPS, PLUGS, OR CROSSES.
 9. INSTALL LIFT HOOPS INTO THRUST BLOCKS AT END CAPS AND PLUGS.

1. THE CONTRACTOR SHALL NOTIFY "DIG SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO BEGINNING THE WORK.
2. THE EXISTING UTILITIES AND ALL OTHER STRUCTURES SHOWN ON THESE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE AND MAY NOT BE IN THE EXACT LOCATION SHOWN OR MAY NOT BE SHOWN AT ALL. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES AND STRUCTURES PRIOR TO SUBMITTING A FORMAL BID.
3. NEW WATER MAINS SHALL, WHEREVER POSSIBLE, BE LAID OVER EXISTING SEWERS AND OTHER EXISTING UTILITIES. WHERE NECESSARY NEW WATER LINES WILL BE INSTALLED AT A GREATER DEPTH TO CLEAR OBSTACLES AT NO ADDITIONAL COST. MINIMUM CLEARANCES OF UTILITIES AS SHOWN ON THE DRAWINGS MUST BE MAINTAINED. THE CONTRACTOR MUST OBTAIN APPROVAL FROM THE ENGINEER TO INSTALL ANY WATER LINES WITH LESS THAN 5'-0" DEPTH TO COVER WATER MAINS INSTALLED WITHIN EXISTING UTILITY TRENCHES. ANY EXISTING UTILITY MUST BE INSULATED TO THE EXTENT INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
4. THE CONTRACTOR SHALL EXCAVATE SUFFICIENTLY AHEAD OF THE EXISTING UTILITY TO LOCATE AND IDENTIFY ALL MECHANICAL JOINTS ON BENDS, TEES, PLUGS, CAPS, VALVES AND HYDRANTS WHERE SHOWN ON THE DRAWINGS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY COMPANY TO SECURE UTILITY POLES IN AREAS WHERE NEW WATER MAIN IS TO BE INSTALLED TO POLES.
6. ALL FENCES, MAIL BOXES, SIGNS, WALKS, CURBS, ETC., SHALL BE REMOVED AND REPLACED AS NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DISTURBING THE EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL SUCH WORK SHALL BE INCLUDED UNDER WATER MAIN ITEMS.
7. THE CONTRACTOR SHALL INSTALL NEW WATER SERVICES TO PROPERTY LINE AND RECONNECT TO EXISTING SERVICE LOCATION TO BE AS DIRECTED BY ENGINEER.
8. THE CONTRACTOR SHALL NOT OPEN OR CLOSE ANY VALVES WHICH HOLD WATER IN THE SYSTEM. THE WATER DEPARTMENT WILL, UPON 24 HOURS NOTICE FROM THE CONTRACTOR, SHUT DOWN THE SYSTEM AND REQUIRE PERMITS FOR DRAINING OR FILLING WATER TO VARIOUS SECTIONS OF THE MAINS.
9. ALL DISTURBED AREAS BEYOND PAVEMENT LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST.
10. ANY WATER THAT IS PUMPED AND DISCHARGED FROM THE TRENCH AND/OR EXCAVATION AS PART OF THE CONTRACTOR'S WATER HANDLING SHALL BE FILTERED BY AN APPROVED METHOD PRIOR TO ITS DISCHARGE INTO A RECEIVING WATER OR DRAINAGE SYSTEM.
11. THE PUMPED WATER SHALL BE FILTERED THROUGH BALED HAY, A VEGETATIVE FILTER STRIP OR A REVEGETATED CHANNEL TO PREVENT EROSION AND TO PREVENT ANY POLLUTION. SUCH THAT DISCHARGE FLOW RATE SHALL NOT EXCEED A VELOCITY OF MORE THAN 1 FPS. THE SEDIMENT SHALL BE CLEARED FROM THE CHANNEL PERIODICALLY.

